

REFLEX™ FLOW BATTERY

PRELIMINARY DATA SHEET

SAFE AND DURABLE VANADIUM CHEMISTRY
EASY TO DEPLOY, OPERATE, AND MAINTAIN
SCALES FROM 10KW TO 100MW



ZERO CAPACITY DEGRADATION
NON-FLAMMABLE ELECTROLYTE
UNLIMITED CYCLES
NO THERMAL RUNAWAY
20+ YEAR LIFETIME
HIGHLY RECYCLABLE
SHIPS WET, 50% CHARGED
SELF-POWERED AUX BACKUP
SECONDARY CONTAINMENT
REDUNDANCY OPTION
AIR COOLED

DISCHARGE PERFORMANCE

Duration	Power	Energy	Efficiency
2 Hour	14 kW	28 kWh	75%
4 Hour	9.5 kW	38 kWh	80%
6 Hour	7 kW	42 kWh	82%
8 Hour	5.5 kW	44 kWh	84%

SPECIFICATIONS

Voltage	42-67 V
Current	360 A
Series Connection	Up to 22 modules (1500 V)
Dimensions	0.9m W x 1.8m D x 2.1m H (36" W x 72" D x 83" H)
Weight	3,000 kg (6,600 lbs)
Ambient Operating Temp	0°C to 45°C (32°F to 113°F)
Storage Temp	-15°C to 55°C (SOC = 50%)
Enclosure	IP 20 (NEMA 1)
Communications	Modbus TCP (MESA/Sunspec)
Certifications	UL 1973 (Pending), CE (Pending)
Auxiliary Supply Input	100-240 VAC 1Φ, 50/60 Hz, 10 A

* Preliminary specifications, subject to change prior to release
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